Philadelphia University
Computer Engineering Department

Course Title: *Advanced Programming Language (630501) - Section 1*
Instructor: *Dr. Qadri Hamarsheh*
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Semester: *2011-2012/2*
Class Time: *11:10-12:10 (6740)*
Prerequisite: *Dept. Approval*
Office Hours: *10:10-11:10*   **Office Number:** *712*
Text Book: *"ASP.NET Mobile Controls Tutorial Guide", Butler, Wrox, 2001.*
"Professional WAP", Charles Arehart, Mirmal Chidmbaram, et al, Wrox, 2000

Course Goals: *Design, develop and deploy mobile applications using different wireless Development Kits: Mobile Internet Toolkits, Microsoft Visual Studio .Net, and VC#.*
Objectives:

At Completing this module the student should be able to :

- ✓ *Have a clear understanding of the principals of wireless systems*
- ✓ *Be able to use different Wireless Software Developers Tools for different Wireless devices such as Mobile Phones*
- ✓ *Gain experience writing programs in C# language*

Course Contents

	Week
Wireless Architecture	12/02/2012
WML Programming using Wireless Development Kits	19/02/2012
Mobile Programming using Microsoft Mobile Internet Toolkit	26/02/2012
Introducing C# Programming	04/03/2012
Quiz 1	
First Exam Period	18-26/03/2012
ASP.NET Mobile Applications	01/04/2012
ASP.NET Server Controls	29/04/2012
ADO.NET Architecture: Managed Data Providers,	
Quiz 2	
Second Exam Period	29/4-7/5/ 2012
ADO.NET Objects: Connection, DataReader, DataAdapters and Datase	
	13/05/2012
Deadline for DROPPING courses	17/05/2012
State Management	
Securing Mobile Data	
Final Exams period	20/05/2012

Mode of Assessment

1-	**First Exam**	**20%**
2-	**Second Exam**	**20%**
3-	**Quizzes**	**15%**
4-	**Performance**	**5%**
5-	**Final Exam**	**40%**

References

1. Valentino Lee, et al. "Mobile Applications: Architecture, Design, and Development", Prentice Hall 2004.
2. Kenneth S. Lind, Marj Rempel, "MCAD/MCSD Visual C# .net Certification All-in-One Exam Guide(Exams 70-315, 70-316 & 70-320)", McGraw-Hill/Osborne 2002.
3. Anders Hejlsberg et.al. "C# Language Reference", Microsoft Corporation 2000
4. http://forum.nokia.com/main.html
5. http://www.wapforum.org
6. www.asp.net